

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.
	10589-013-999	10/551,301
	APPLICANT	Trotta, C.
	FILING DATE July 12, 2006 (Int'l Filing Date March 26, 2004)	ART UNIT 1639

U.S. PATENT DOCUMENTS					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
	A21	2004/0219545	11/04/04	Rando et al.	
	A22	2005/0142545	06/30/05	Conn et al.	
	A23	2005/0221368	10/06/05	Rana et al.	
	A24	2006/0228730	10/12/2006	Rando et al.	
	A25	2006/0194234	8/31/2006	Conn et al.	
	A26	6,875,736	04/05/05	Rana et al.	
	A27	6,583,309	06/24/03	Rana et al.	
	A28	6,503,713	01/07/03	Rana et al.	

FOREIGN PATENT DOCUMENTS					
		FOREIGN PATENT DOCUMENT COUNTRY CODE, NUMBER, KIND CODE (IF KNOWN)	DATE	NAME	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
	B18	EP 0177827 B1	11/18/1993	Hoechst Aktiengesell-Schaft	
	B19	CN 1328156 (English Abstract included)	12/26/01	Wuhan Inst Of Virology Chinese	
	B20	CA 1,340,280	12/22/1998	Hoechst Aktiengesell-Schaft	
	B21	WO 2005/003316	01/13/05	PTC Therapeutics, Inc.	
	B22	WO 01/53455	07/26/01	Hyseq, Inc.	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)			T
	C78	BRANDEN et al., 1991, Chapter 16: Prediction, Engineering, and Design of Protein Structures" in Introduction to Protein Structure, Garland Publishing, Inc., p.247			
	C79	BROWN, 1993, Hybridization Analysis of DNA Blots, in Current Protocols in Molecular Biology, p. 2.10.1-2.10.11			
	C80	GENBANK Accesion No: AAH19582, "tRNA splicing" dated January 3, 2002			
	C81	GENBANK Accession No.: BC019582, "Homo sapiens tRNA" dated January 3, 2002			
	C82	GENBANK: Accession No: NP_079541; "tRNA splicing endonuclease 2 homolog [Homo sapiens]," dated March 2, 2006			

EXAMINER NYI-4204757v1	/Christian Boesen/	DATE CONSIDERED	12/04/2009
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.B./

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.
	10589-013-999	10/551,301
	APPLICANT	
	Trotta, C.	
	FILING DATE July 12, 2006 (Int'l Filing Date March 26, 2004)	ART UNIT 1639

NON PATENT LITERATURE DOCUMENTS

Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	T
C83		GENBANK: Accession No: NT_005927.12; "Homo sapiens chromosome 3 reference genomic contig," dated August 1, 2002"	
C84		GENBANK: Accession No: NT_011225.9; "Homo sapiens chromosome 19 reference genomic contig," dated August 1, 2002	
C85		GENBANK: Accession No: XP_085899; "similar to LENG5 protein [Homo sapiens]," dated August 1, 2002	
C86		GENBANK Accession No.: CAA19575, "tRNA-splicing endonuclease subunit Sen34 [Schizosaccharomyces pombe]," dated June 30, 2009	
C87		GENBANK Accession No.: CAA21061, "tRNA-splicing endonuclease subunit Sen54 (predicted) [Schizosaccharomyces pombe]," dated June 30, 2009	
C88		GENBANK Accession No.: CAD27500, "tRNA-splicing endonuclease subunit Sen2 [Schizosaccharomyces pombe]," dated June 30, 2009	
C89		GENBANK Accession No.: CAE46913; "tRNA-splicing endonuclease subunit Sen15 [Schizosaccharomyces pombe]," dated June 30, 2009	
C90		KAMINSKA, 2002, "The isoprenoid biosynthetic pathway in <i>Saccharomyces cerevisiae</i> is affected in a maf1-1 mutant with altered tRNA synthesis." FEMS Yeast Res. 2:31-37	
C91		LUCAS et al., 2000, "Yeast Sequencing Report: Sequence analysis of two cosmids from the right arm of the <i>Schizosaccharomyces pombe</i> chromosome II." Yeast 16:299-306	
C92		PAUSHKIN et al., 2004, "Identification of a human endonuclease complex reveals a link between tRNA splicing and pre-mRNA 3' End Formation." Cell, 117:311-321	
C93		SEFFERNICK et al., 2001, "Melamine deaminase and atrazine chlorohydrolase: 98 percent identical but functionally different." J Bacteriol 183(8):2405-2410	
C94		SOOD et al., 2001, "Cloning and characterization of 13 novel transcripts and the human RGS8 gene from the 1q25 region encompassing the hereditary prostate cancer (HPC1) locus." Genomics 73:211-222	
C95		SPALTMANN et al., 1999, "Computer-aided target selection – prioritizing targets for antifungal drug discovery." DDT, 4(1):17-26	
C96		STRYER, 1999, Chapter 5: Flow of Genetic Information, p. 96-97; Chapter 33: RNA Synthesis and Splicing, p. 860-864, Chapter 34: Protein Synthesis, p.875-880; in Biochemistry, 4 th edition, W.H. Freeman and Co., New York	
C97		WITKOWSKI, 1999, "Conversion of β-ketoacyl Synthase to Malonyl Decarboxylase by Replacement of the Active-site Cysteine and Glutamine." Biochemistry, 38:11643-11650	
C98		YEAST Accession No: YLR105C; SEN2: http://www.yeastgenome.org/ , dated March 8, 2006	
C99		YEAST Accession No: YAR008w; SEN34 http://www.yeastgenome.org/ , dated March 8, 2006	
C100		YEAST Accession No: YMR059w; SEN 15 http://www.yeastgenome.org/ dated March 8, 2006	
C101		YEAST Accession No: YPL083c; SEN54 " http://www.yeastgenome.org/ ," dated March 8, 2006	
C102		PRELIMINARY Amendment, dated September 27, 2005, for U.S. Application No: 10/551,304, filed May 18, 2006	
C103		REQUIREMENT for Restriction/Election, dated January 16, 2008, for U.S. Application No: 10/551,304, filed May 18, 2006	

EXAMINER NYI-4204757v1	/Christian Boesen/	DATE CONSIDERED 12/04/2009
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.B./

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.
	10589-013-999	10/551,301
	APPLICANT	
	Trotta, C.	
	FILING DATE July 12, 2006 (Int'l Filing Date March 26, 2004)	ART UNIT 1639

NON PATENT LITERATURE DOCUMENTS

Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	T
	C104	RESPONSE to Requirement for Restriction/Election, dated July 15, 2008, for U.S. Application No: 10/551,304, filed May 18, 2006	
	C105	REQUIREMENT for Restriction/Election, dated November 25, 2008, for U.S. Application No: 10/551,304, filed May 18, 2006	
	C106	RESPONSE to Requirement for Restriction/Election, dated December 22, 2008, for U.S. Application No: 10/551,304, filed May 18, 2006	
	C107	NON-FINAL Rejection, dated March 17, 2009, for U.S. Application No: 10/551,304, filed May 18, 2006	
	C108	RESPONSE TO OFFICE COMMUNICATION REGARDING SEQUENCE DISCLOSURE AND PRELIMINARY AMENDMENT dated February 28, 2006, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C109	REQUIREMENT Restriction/Election dated June 13, 2006 for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C110	RESPONSE to Requirement for Restriction/Election and Preliminary Amendment dated October 13, 2006 for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C111	NON-FINAL Rejection, dated December 21, 2006, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C112	AMENDMENT after non-final rejection, dated April 17, 2007, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C113	NON-FINAL Rejection, dated July 13, 2007, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C114	AMENDMENT after non-final rejection, dated November 13, 2007, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C115	NON-FINAL Rejection, dated February 5, 2008, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C116	AMENDMENT after non-final rejection, dated August 5, 2008, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C117	DETAILED ACTION, dated December 1, 2008, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C118	NOTICE of Abandonment, dated June 4, 2009, for U.S. Application No.: 10/884,695, filed July 2, 2004	
	C119	REQUIREMENT for Restriction/Election, dated September 8, 2008, for U.S. Application No.: 10/551,300 filed November 29, 2006	
	C120	RESPONSE to Restriction Requirement and Preliminary Amendment, dated November 10, 2008, for U.S. Application No.: 10/551,300 filed November 29, 2006	
	C121	NOTICE of Non-compliant, dated February 4, 2009, for U.S. Application No.: 10/551,300 filed November 29, 2006	
	C122	RESPONSE to Notice of Non-compliant, dated March 2, 2009, for U.S. Application No.: 10/551,300 filed November 29, 2006	
	C123	NON-FINAL Rejection, dated, May 22, 2009, for U.S. Application 10/551,300 filed November 29, 2006	
	C124	INTERNATIONAL Search Report, dated June 22, 2005 of PCT/US2004/009572, filed March 26, 2004	
	C125	WRITTEN Opinion, dated June 22, 2005 of PCT/US2004/009572, filed March 26, 2004	

EXAMINER NYI-4204757v1	/Christian Boesen/	DATE CONSIDERED	12/04/2009
---------------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.B./

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.
	10589-013-999	10/551,301
	APPLICANT	
	Trotta, C.	
	FILING DATE July 12, 2006 (Int'l Filing Date March 26, 2004)	ART UNIT 1639

NON PATENT LITERATURE DOCUMENTS

Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	T
C126		INTERNATIONAL Preliminary Report on Patentability, dated November 11, 2005 of PCT/US2004/009572, filed March 26, 2004	
C127		EUROPEAN Search Report, dated July 23, 2007 of EP 1 613 158 published January 11, 2006	
C128		INTERNATIONAL Search Report, dated January 27, 2005 of PCT/US2004/009590, filed March 26, 2004	
C129		WRITTEN Opinion, dated January 27, 2005 of PCT/US2004/009590, filed March 26, 2004	
C130		INTERNATIONAL Preliminary Report on Patentability, dated June 16, 2005 of PCT/US2004/009590, filed March 26, 2004	
C131		EUROPEAN Search Report, dated July 23, 2007 of EP 1 613 160 published January 11, 2006	
C132		INTERNATIONAL Search Report, dated April 24, 2007 of PCT/US2004/021334, filed July 2, 2004	
C133		WRITTEN Opinion, dated April 24, 2007 of PCT/US2004/021334, filed July 2, 2004	
C134		INTERNATIONAL Preliminary Report on Patentability, December 12, 2007 of PCT/US2004/021334, filed July 2, 2004	
C135		EUROPEAN Search Report, dated May 8, 2009 of EP 1 649 002 published April 26, 2006	
C136		INTERNATIONAL Search Report, dated June 9, 2005 of PCT/US2004/009574, filed March 26, 2004	
C137		WRITTEN Opinion, dated June 9, 2005 of PCT/US2004/009574, filed March 26, 2004	
C138		INTERNATIONAL Preliminary Report on Patentability, dated November 11, 2005 of PCT/US2004/009574, filed March 26, 2004	
C139		EUROPEAN Search Report, dated July 3, 2007 of EP 1 613 159 published January 11, 2006	
C140		EUROPEAN communication regarding possible amendment of claims/payment of fees, dated November 14, 2005, of EP 1 613 158, published January 11, 2006	
C141		REPLY to European communication before examination dated December 21, 2005, of EP 1 613 158, published January 11, 2006	
C142		EUROPEAN communication regarding transmission of search report, dated July 23, 2007, of EP 1 613 158, published January 11, 2006	
C143		EUROPEAN communication from the examining division, dated November 16, 2007, of EP 1 613 158, published January 11, 2006	
C144		REPLY to European communication from the examining division, dated May 15, 2008, of EP 1 613 158, published January 11, 2006	
C145		EUROPEAN communication from the examining division, dated July 15, 2008, of EP 1 613 158, published January 11, 2006	
C146		REPLY to European communication from the examining division, dated November 10, 2008, of EP 1 613 158, published January 11, 2006	
C147		EUROPEAN communication from the examining division, dated November 26, 2008, of EP 1 613 158, published January 11, 2006	
C148		REPLY to European communication from the examining division, dated January 26, 2009, of EP 1 613 158, published January 11, 2006	

EXAMINER NYI-4204757v1	/Christian Boesen/	DATE CONSIDERED	12/04/2009
---------------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.B./

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.
	10589-013-999	10/551,301
	APPLICANT	
	Trotta, C.	
	FILING DATE July 12, 2006 (Int'l Filing Date March 26, 2004)	ART UNIT 1639

NON PATENT LITERATURE DOCUMENTS

Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	T
	C149	EUROPEAN communication regarding possible amendment of claims/payment of fees, dated Nov. 14, 2005, of EP 1 613 159, published January 11, 2006	
	C150	EUROPEAN communication regarding transmission of search report, dated July 3, 2007, of EP 1 613 159, published January 11, 2006	
	C151	EUROPEAN communication from the examining division, dated October 10, 2007, of EP 1 613 159, published January 11, 2006	
	C152	REPLY to European communication from the examining division, dated April 21, 2008, of EP 1 613 159, published January 11, 2006	
	C153	EUROPEAN communication from the examining division , dated August 5, 2008, of EP 1 613 159, published January 11, 2006	
	C154	REPLY to European communication from the examining division, dated August 18, 2008, of EP 1 613 159, published January 11, 2006	
	C155	EUROPEAN communication from the examining division, dated December 17, 2008, of EP 1 613 159, published January 11, 2006	
	C156	REPLY to European communication from the examining division, dated June 26, 2009, of EP 1 613 159, published January 11, 2006	
	C157	EUROPEAN communication regarding possible amendment of claims/payment of fees, dated November 14, 2005, of EP 1 613 160, published January 11, 2006	
	C158	EUROPEAN communication regarding transmission of search report, dated July 23, 2007, of EP 1 613 160, published January 11, 2006	
	C159	EUROPEAN communication from the examining division, dated April 23, 2008, of EP 1 613 160, published January 11, 2006	
	C160	REPLY to European communication from the examining division, dated October 31, 2008, EP 1 613 160, published January 11, 2006	
	C161	EUROPEAN communication from the examining division, dated December 17, 2008, of EP 1 613 160, published January 11, 2006	
	C162	REPLY to European communication from the examining division, dated June 26, 2009, of EP 1 613 160, published January 11, 2006	
	C163	GENBANK Accession No.: M32336, "S.cerevisiae tRNA splicing endonuclease beta-subunit (SEN2) gene, complete cds," dated August 6, 1997	
	C164	RESPONSE to Non-Final Rejection, dated August 17, 2009, for U.S. Application No: 10/551,304, filed May 18, 2006	
	C165	RESPONSE to Non-Final Rejection, dated August 19, 2009, for U.S. Application 10/551,300 filed November 29, 2006	
	C166	SPINGOLA et al., 1999. Genome-wide bioinformatic and molecular analysis of introns in <i>Saccharomyces cerevisiae</i> , RNA, 5:221-234.	

EXAMINER NYI-4204757v1	/Christian Boesen/	DATE CONSIDERED	12/04/2009
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.B./